IN THE CLAIMS

Please amend claims 1, 14, 27, 29, and 30 as set forth below.   All pending claims

and their present status are produced below.

1.   (currently amended) A method for calculating application verb response times,

comprising:

receiving packet data;

aggregating the packet data into flows;

identifying application verbs and information relating to them associated with the

flows;

determining whether the application verbs are valid, the application verbs being valid

if predetermined criteria indicate that response times of the application verbs

should be measured;

responsive to determining that the application verbs are valid, updating a state

machine;

responsive to updating the state machine, determining whether the state machine is in

a valid state; and

responsive to determining that the state machine is in a valid state, storing the

information relating to the application verbs, wherein the information relating

to the application verbs is capable of being used to calculate response times

associated therewith.

2.   (Original) The method as recited in claim 1, and further comprising determining whether the packet data is associated with a new flow.

3.   (Original) The method as recited in claim 2, wherein if the packet data is determined to be associated with a new flow, further comprising creating a flow, creating a data structure, and inserting the data structure into the flow.

4.   (Original) The method as recited in claim 3, wherein the creation of the data structure includes identifying a protocol identifier associated with the flow, and determining a number of known application verbs associated with the protocol identifier.

5.   (Original) The method as recited in claim 4, wherein the creation of the data structure further includes allocating memory for the data structure based on the number of known application verbs associated with the protocol identifier.

6.   (Original) The method as recited in claim 4, wherein the number of application verbs associated with the protocol identifier is determined utilizing a map.

7.   (Original) The method as recited in claim 6, wherein the map maps to a RMON tree.

8.   (Original) The method as recited in claim 1, and further comprising inserting a data structure into the flows.

9.   (Original) The method as recited in claim 8, wherein the aggregation includes populating and updating the data structure with the information.

10.   (Canceled)

11.   (Original) The method as recited in claim 9, wherein the aggregation further includes determining whether a response is complete, and calculating a response time if it is determined that the response is complete.

12.   (Canceled)

13.   (Original) The method as recited in claim 1, wherein the information relating to the application verbs is capable of being used to calculate response times associated therewith in real-time.

14.   (currently amended) A computer-readable medium having a computer program product for calculating application verb response times, comprising:

computer code for receiving packet data;

computer code for aggregating the packet data into flows;

computer code for identifying information relating to application verbs associated with the flows;

computer code for determining whether the application verbs are valid, the application verbs being valid if predetermined criteria indicate that response times of the application verbs should be measured;

computer code for, responsive to determining that the application verbs are valid, updating a state machine;

computer code for, responsive to updating the state machine, determining whether the state machine is in a valid state; and

computer code for, responsive to determining that the state machine is in a valid state, storing the information relating to the application verbs, wherein the information relating to the application verbs is capable of being used to calculate response times associated therewith.

15.   (Previously Presented) The computer-readable medium of claim 14, wherein the computer program product further comprises computer code for determining whether the packet data is associated with a new flow.

16.   (Previously Presented) The computer-readable medium of claim 15, wherein if the packet data is determined to be associated with a new flow, further comprising computer code for creating a flow, creating a data structure, and inserting the data structure into the flow.

17.   (Previously Presented) The computer-readable medium of claim 16, wherein the creation of the data structure includes identifying a protocol identifier associated with the flow, and determining a number of application verbs associated with the protocol identifier.

18.   (Previously Presented) The computer-readable medium of claim 17, wherein the creation of the data structure further includes allocating memory for the data structure based on the number of known application verbs associated with the protocol identifier.

19.   (Previously Presented) The computer-readable medium of claim 17, wherein the number of known application verbs associated with the protocol identifier is determined utilizing a map.

20.   (Previously Presented) The computer-readable medium of claim 19, wherein the map maps to a RMON tree.

21.   (Previously Presented) The computer-readable medium of claim 14, wherein the computer program product further comprises computer code for inserting a data structure into the flows.

22.   (Previously Presented) The computer-readable medium of claim 21, wherein the aggregation includes populating and updating the data structure with the information.

23.   (Canceled)

24.   (Previously Presented) The computer-readable medium of claim 22, wherein the aggregation further includes determining whether a response is complete, and calculating a response time if it is determined that the response is complete.

25.   (Canceled)

26.   (Previously Presented) The computer-readable medium of claim 14, wherein the information relating to the application verbs is capable of being used to calculate response times associated therewith in real-time.

27. (Currently amended) A system for calculating application verb response times, comprising:

means for receiving packet data;

means for aggregating the packet data into flows;

means for identifying information relating to application verbs associated with the flows;

means for determining whether the application verbs are valid, the application verbs being valid if predetermined criteria indicate that response times of the application verbs should be measured;

means for, responsive to determining that the application verbs are valid, updating a state machine;

means for, responsive to updating the state machine, determining whether the state machine is in a valid state; and

means for, responsive to determining that the state machine is in a valid state, storing the information relating to the application verbs, wherein the information relating to the application verbs is capable of being used to calculate response times associated therewith.

28. (Canceled)

29. (Currently amended) A method for calculating response times, comprising:

receiving packet data;

aggregating the packet data into a flow;

identifying information relating to application verbs associated with the flow;

determining whether the application verbs are valid, the application verbs being valid

if predetermined criteria indicate that response times of the application verbs

should be measured;

responsive to determining that the application verbs are valid, updating a state

machine;

determining whether the state machine is in a valid state<u>, responsive to updating the</u>

<u>state machine</u>;

responsive to determining that the state machine is in a valid state, storing the

information relating to the application verbs in a data structure;

inserting the data structure in the flow; and

mapping the data structure to a remote monitoring (RMON) tree.

30.   (Currently amended) A method for calculating response times, comprising:

(a)   receiving packet data;

(b)   determining whether the packet data is associated with a new flow;

(c)   if the packet data is determined to be associated with a new flow:

(i)   creating a flow,

(ii)   providing a notification of the flow,

(iii)   creating a data structure in response to the notification, the creation of the data

structure including:

1)   identifying a protocol identifier associated with the flow,

2)   caching the protocol identifier,

3)   determining a number of known application verbs associated with the protocol identifier, and

4)   allocating memory for the data structure based on the number of known application verbs associated with the protocol identifier, and

(iv)   inserting the data structure into the flow; and

(d)   aggregating the packet data by:

(v)   identifying application verbs in the flow,

determining whether the application verbs are valid, the application verbs being valid if predetermined criteria indicate that response times of the application verbs should be measured;

(vi)   responsive to determining that the applications verbs are valid, updating a state machine,

(vii)   determining whether a response associated with the flow is complete,

(viii)   responsive to determining that the response associated with the flow is complete, calculating a response time,

(ix)   determining, responsive to updating the state machine, whether the state machine is in a valid state, and

(x)   responsive to determining that the state machine is in a valid state, storing information relating to the application verbs, wherein the information relating to the application verbs is capable of being used to calculate the response time.